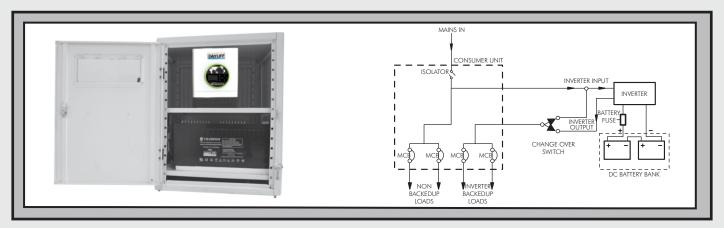




Power Back-Up Systems



Dayliff Power Backup Systems are specifically designed for small domestic and commercial applications to provide standby power in the event of mains power supply failure. They can be used as an alternative to a generator and have many advantages including:-

- Instantaneous and automatic changeover when the mains power fails which is especially beneficial when used with electronic equipment such as computers and TV's.
- Totally silent and non polluting operation which particularly suits enclosed space applications.
- Very low running costs just the power to charge a battery.

During normal power conditions the inverter maintains the batteries at full charge while during a power failure the DC battery energy is seamlessly converted to AC power and fed to the supply circuits. Systems include two principal components, a reliable and efficient Dayliff Ultraverter/Optiverter, a DC/AC power inverter with built in battery charger and a battery bank.

Ultravertres and Optiverters are Transformerless inverters with precision Pure Sinewave output and full function LCD status displays monitoring various operating parameters. Sizes are available from 1,000W to 8,000W output.

The endurance of a power backup system is determined by battery capacity, Dayliff systems being offered with a selection of capacities depending upon backup time required. Batteries supplied are with options of Valve Regulated Lead Acid (VRLA) or Lithium Ion Phosphate (LiFePO4) and the inverters provide automatic regulation to prevent over-charge and over-discharge. Systems are also provided complete with connecting cabling between the inverter and battery pack and expert selection advice is available to assist with sizing and installation.

The components of all Dayliff Backup Systems are carefully matched in terms of quality and performance and they provide a reliable, effective and economic solution to all small scale mains standby power requirements.

INSTALLATION

Dayliff Power Backup Systems should be installed between the main electricity meter and the distribution board as indicted in the wiring diagram. It is important to separate the installed loads so the back up system is not connected to high consumption appliances like cookers, water heaters, washing machines, pumps etc. This may require some re-wiring of the distribution board and it is recommended that a qualified electrician is consulted.

Note that the indicated backup times are approximate and based upon the loads indicated. They are entirely dependant upon the loads applied and will vary accordingly.

SYSTEM SPECIFICATIONS

	Inver			Lead Acid (VRLA) Battery Bank Option		Lithium Ion (LiFEP04) Battery Bank Option		Back-up	Typical Application	
Model	Output	Max AC Charging Amps	DC Voltage	Capacity (AH)	Configuration	Capacity (kWh)	Configuration	Times Hrs	Home	Office
ULTRAVERTER DUV-1012	1000W	60A	12V	200	1x200AH	1.2	1x100AH-12VDC	4	TV, 8 Lights (energy saving)	2PCs, 4 Laptops, Wifi, 6 lights (energy saving)
				300	2X150AH	2.4	2X100AH-12VDC	6		
ULTRAVERTER DUV-2024	2000W	60A	24V	200	2X100AH	2.4	1X100AH-24VDC	2	TV, Small Fridge, 8 Lights	3PCs, 6 Laptops, Wifi, 6 lights
				400	2X200AH	4.8	2X100AH-24VDC	4		
				600	4X150AH	7.2	3X100AH-24VDC	6		
ULTRAVERTER DUV-3024	3000W	80A	24V	300	2X150AH	2.4	1X100AH-24VDC	2	TV, Fridge, 20 Lights	5PCs, 10 Laptops, Wifi, 6 lights
				600	4X150AH	4.8	2X100AH-24VDC	4		
				900	6X150AH	7.2	3X100AH-24VDC	6		
ULTRAVERTER DUV-5048	5000W	80A	48V	400	4X100AH	4.8	2X100AH-24VDC	2	TV, Fridge, Microwave, 20 Lights	5PCs, 10Laptops, Wifi, Copier, Lights
				800	4X200AH	7.2	3X100AH-24VDC	4		
				1200	8X150AH	9.6	4X100AH-24VDC	6		
OPTIVERTER DO6000	6000W	120A	48V	600	4X150AH	4.8	2X100AH-24VDC	2	TV, Fridge, Microwave, PC, 30 Lights	8PCs, 16 Laptops, Wifi, Copier, Lights
				1200	6X200AH	7.2	3X100AH-24VDC	4		
OPTIVERTER DO8000	8000W	120A	120A	800	4X200AH	9.6	4X100AH-24VDC	2	TV, Fridge, Microwave, PC, 40 Lights	12PCs, 24 Laptops, Wifi, Copier, Lights
				1600	8X200AH	19.2	8X100AH-24VDC	4		